

February Meetings

Dates & Times:

Matinee, 2:30 p.m., Wednesday,
February 13, 1980

Evenings, 8:00 p.m., Wednesday and
Thursday, February 13 and 14

Place:

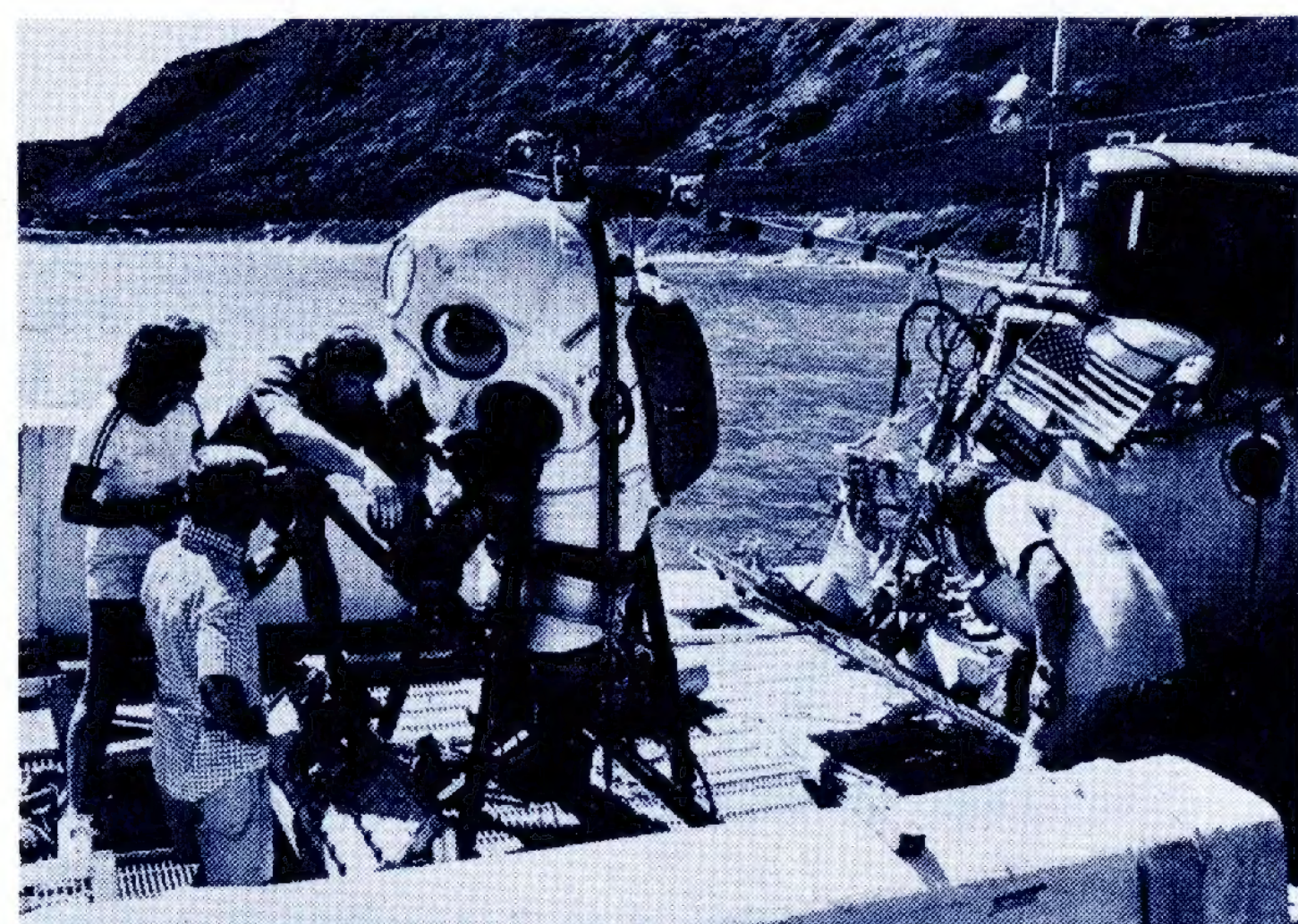
May Treat Morrison Auditorium.

Speaker:

Dr. Sylvia Earle

Subject:

"The Deepest Dive"



Last fall Academy scientist, Dr. Sylvia Earle, stepped into the one-atmosphere dive suit called "JIM" (pictured above), and stepped into the waters off Makapuu Point, Oahu, Hawaii. In fact, she stepped into 1,250 feet of water making it the deepest exploratory solo dive ever made in the open sea. She walked about freely on the bottom for four hours and described the terrain she observed as "less well-known than much of the moon's surface, but teeming with living creatures".

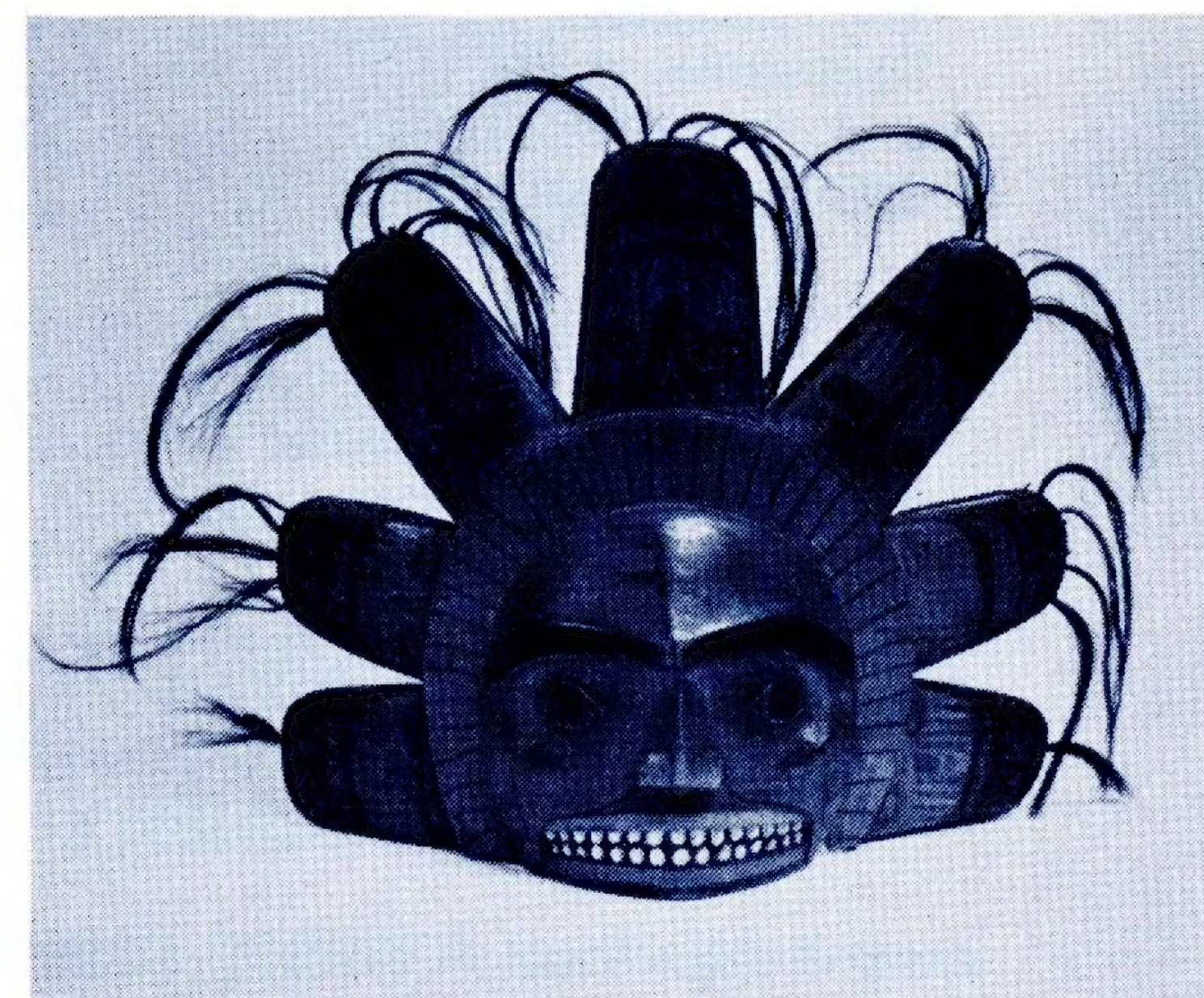
With the breathtaking underwater photography of Al Giddings, members of the Academy can share "The Deepest Dive" with Dr. Earle as she describes her adventure in person during the February members' meetings. In addition to her work at the California Academy of Sciences as curator of the phycology (algae) collection, Sylvia Earle is Chairman of Ocean Trust Foundation's Board of Scientific and Technical Advisors; is one of nine special consultants on cetacean conservation to the U.N. Environment Programme and is on

the Board of Directors of the World Wildlife Fund. Last summer she was elected to the Council of the International Union for Conservation of Nature and Natural Resources (IUCN), continuing her service on IUCN's Survival Service Commission as one of six consultants providing a continuing overview of the World Conservation Strategy.

Don't miss "The Deepest Dive" with Dr. Sylvia Earle this month on February 13 and 14! Your membership card admits you to the main entrance at Cowell Hall for all three presentations. For the matinee program please have your card ready to show once again at the auditorium door.

The Academy is pleased to bring such interesting programs free of charge to its members and we regret the fact that some areas seem to receive their mail later than others. Please remember that the monthly members' meetings **always** take place the second Wednesday and Thursday of the month and **always** at the same times: 2:30 and 8:00 p.m. on Wednesday, and 8:00 p.m. on Thursday. If you are receiving your "Newsletter" continually after the first of the month, please ask your post office for a customer service form and make your complaint known! Next month the meetings will be held on March 12 and 13.

Special Exhibits



Outstanding crafts of six native American cultures is the subject of the new major exhibition opening February 21 at the Academy entitled, **The Ancestors**, organized by the Museum of the American Indian in New York. In addition to a display of over 300 artifacts and photos of superb quality and beauty, the purpose of the exhibit is to show the relationship of artisan and craft to the total cultural system of which they are a part.

The regional artisans featured in the exhibit are: the Sioux painter of the Great Plains; the Karaja featherworker of Brazil; the Haida carver of the Northwest Coast; the Pomoan basketmaker of northern California; the pre-Columbian potter of the Southeast; and the Araucanian weaver of Chile. The presentation includes: the technology of the craft, including the materials and techniques of manufacture; the nature of style and significance of substyles; the iconography or use of symbols and their meanings; the organization of the craft including the training of artisans and the division of labor; the social and political functions of the artisan and the artifact; the ritual function of the artifact; the economic and ecological relations of the craft, including the supply of materials and tools and the distribution and utilitarian function of the artifact; and the history of the craft, its part in traditional art and technology and the role of culture contact.

Living Arts and Lectures

The Ancestors will continue through September in the Patricia Price Peterson and Atholl McBean Galleries located near the Wattis Hall of Man.

Continuing special exhibits include **Underwater Explorations**, color photographs of the protected underwater parks and reserves along California's coast, through May 10 in Hohfeld Gallery I; and **Monumental Stone Carvings of the Ancient Maya** offering a beautiful photographic look at a fascinating subject by photographer Rufus Diamant, in Lower Cowell Hall Gallery.

To highlight the new major traveling exhibit, **The Ancestors: Native Artisans of the Americas**, opening February 21, several demonstrations, lectures and films have been planned to be presented in the Wattis Hall of Man (WHM) and in the Morrison Auditorium (MA).

February 23 & 24

at 11 a.m., 1 p.m. and 3 p.m.

Film: "Basketry of the Pomo" (30 minutes)
A look at the materials and techniques used by the world's most expert basket-makers. (WHM)

February 23 & 24

From 11:30 to 12:30 and 1:30 to 3:00

Pomo weavers, Elsie Allen, a fourth generation basketmaker and 85-year old Laura Somersall will give a live demonstration of their art and answer your questions about basketweaving. (WHM)

March 8 & 9

at 12:30, 2:15 and 3 p.m.

Film "Totem Pole" (30 minutes)
Shows the highly sophisticated art of wood carving, the variety of totem poles and houseposts used to show kinship, rank and wealth and ends with the felling of a cedar tree and carving of a pole by Mungo Martin, a famous carver and chief of the Kwakiutl. (WHM)

March 8 & 9

From 1 to 2 p.m.

Barbara Winther will present a series of delightful stories from the Northwest Coast Indian tradition especially for children.

Titles are:

Creation of Thunderbird

Raven Makes Islands and Brings Light

The Cannibal Giants

In the Home of the Killer Whale

Bear Mother

The First Totem Pole

March 8

11 a.m. to 2 p.m.

Part I of a lecture on Indian history of the six cultures represented by the exhibit **The Ancestors** presented by Valerie Mathes, instructor at City College of San Francisco*. (MA)

March 29

11 a.m. to 2 p.m.

Part II of lecture on Indian history by Valerie Mathes. (MA)

April 12

11 a.m. to 2 p.m.

Lecture on Indian architecture by City College of San Francisco instructor Enrique Limosner. (MA)

April 26

11 a.m. to 2 p.m.

Lecture by Valerie Mathes on the role of women in Indian society. (MA)

*Lectures are part of a class offered by City College of San Francisco in cooperation with the Academy of Sciences and San Francisco Public Library to enhance the San Francisco showing of **The Ancestors: Indian Artisans of the Americas**. These lectures are open to the public free of charge.

Morrison Planetarium

The puzzle of the phenomena called black holes is the subject of the current planetarium sky show entitled, **Star Death — The Birth of Black Holes**, shown Monday through Friday at 2:00 p.m.; weekends at 12:30, 2:00 and 3:30; and on Wednesday and Thursday eves at 7:30. An interesting and informative article about the life cycle of stars is in the current issue of *Pacific Discovery* on page 32. It was written by planetarium director, Lee W. Simon, and may give you an edge on understanding the concept of black holes, white dwarfs and other mysteries of space. (Reminder: There is no admission charge to members of the Academy for the regular planetarium shows.)

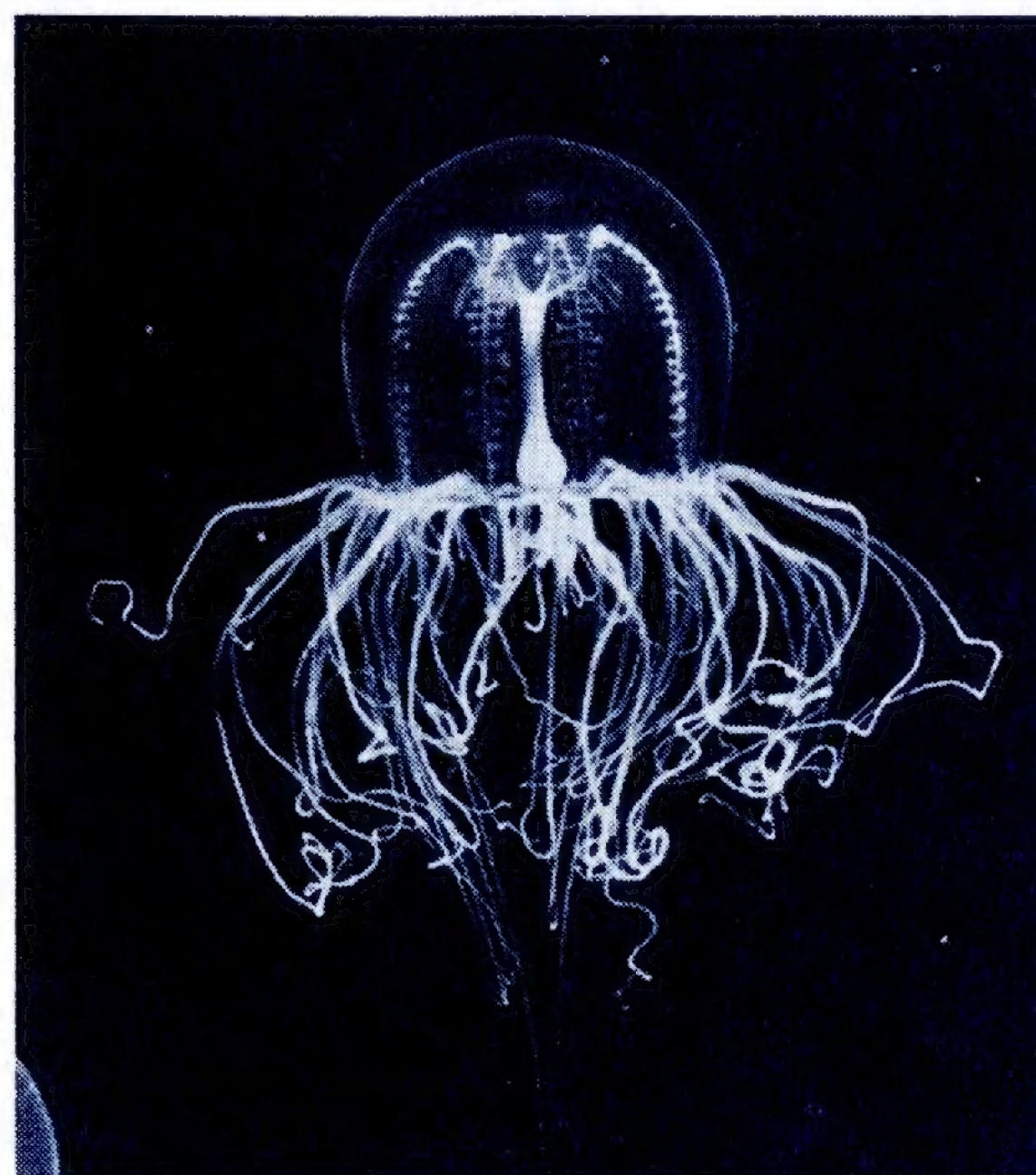
On weekends at 11:00 a.m. see **Exploring the Skies of the Season**, a look at the current night sky over San Francisco and an enjoyable program for the entire family.

Laserium

Laserium is a "cosmic" laser show. Colorful images seem to pulsate, float and dance in concert with music against a background of stars. See **Laserium Starship**, and **Laserium Light Years** at the following times: **Starship** on Friday evenings at 7:30, 9:00 and 10:30 p.m. **Light Years** on Saturday evenings at 5:00, 7:30, 9:00 and 10:30, and on Sunday evenings at 5:00, 7:30 and 9:00 p.m. Tickets are available through all BASS outlets and remaining tickets go on sale at the planetarium box-office one-half hour before showtime. Admission is \$3.25. Members are reminded that this is **not** a regular planetarium show **nor** are your planetarium passes usable for this attraction. For further information call 752-4264.

Inside the Academy

After the first winter rains tiny jellyfish-like animals appear near the surface of San Francisco Bay. Their total length including fragile stinging tentacles is approximately 1½ to 2 inches. About six years ago a loyal volunteer brought specimens of *Polyorchis penicillatus* into the aquarium for identification, and they have been on display when they are in season (usually January through May) ever since.



In a specially designed aquarium, tank #92, polarized light screens were sandwiched between sheets of glass making the internal anatomy of these nearly transparent and beautiful animals easily visible. This design breakthrough is the creative work of aquarium staffers Dave Powell and Lloyd Gomez.

Tidepool Needs a Whirlpool

If you are one of the countless thousands who have dipped into the California tidepool display at Steinhart Aquarium, you know about the countless thousands of pairs of wet hands that need to be dried. The job takes clean dry towels which would be an easy matter if the aquarium had a washing machine and gas dryer.

Can you help us out with a donation? Call the aquarium office at 221-5100, Ext. 240 if you have information or questions.



Over the past several months there have been many visits by delegations from the People's Republic of China to the California Academy of Sciences. Performing artists, professional women from PRC, scientists working in a wide range of disciplines (some from the Chinese Academy of Sciences), and most recently a delegation, led by Mssrs. Tu and Wang, who earlier in the day signed an historic trade agreement for the sale of small hydroelectric generating equipment to this country. In the photo above Tu and Wang enjoy an experience at the California tidepool display with aquarium director Dr. John McCosker and other museum visitors.

Education and Travel Notes

Five fascinating Academy courses begin in March and April. Registration is by mail and details are in the Activities Calender available through the Education/Travel Office at 221-5100, ext. 211.

Spring Flower Identification

March 3 - April 21, Mondays
7-9:00 p.m.
\$50 members only

The Search for Extraterrestrial Life

March 11 - May 20, Tuesdays
7-9:00 p.m.
\$35 members, \$45 families

The Visible Universe

April 1 - 22, Tuesdays
7:30-9:30 p.m.
\$15 members, \$25 families

Natural History of San Francisco

March 6 - April 24, Thursdays
7:00 p.m.
\$30 members

Nature Photography

April 8, 9, 10
7-9:00 p.m.
\$35 members only

Pueblo Country II, Northeast Arizona

June 6-15
Offered in conjunction with the Academy's summer exhibit, "Hopi Kachina: Spirit of Life", this tour will offer members the opportunity to explore the ancient Pueblo Cultures of Northeast Arizona. Highlights will include the Hopi Mesas, Canyon de Chelly, the Grand Canyon and the museums of Northern Arizona. Dr. Dorothy Washburn leads our tour. Cost is \$995 per person, including air fare. For information, please call Gulliver's Travels at (415) 346-4400.

Alaska

July 11-26
Dr. and Mrs. Robert T. Orr will lead members on an exciting tour through the magnificent wilderness of Alaska. Highlights include a cruise to the Columbia Glacier, Mt. McKinley National Park, the "Valley of Ten Thousand Smokes" and Glacier Bay National Monument. Cost is \$2065 per person plus air fare. For information, please call Siemer & Hand, Ltd. at (415) 788-7186.

Zambia and the Seychelles

August - September
Join Academy naturalist Bob Drewes on an authentic safari to Livingstone's Zambia. Only in Zambia will you experience night game drives and the thrill of actually walking among herds of game on guided treks. Highlights include Kafue National Park and the Luangwa Valley, followed by five days exploring the exotic beauty of the Seychelle Islands. Cost is approximately \$4000 per person. For information please call the Academy Travel Office at (415) 221-5100.

New Members of the Academy

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Mr. G. H. Applegren
Miss Carmelita Arburua
Miss Bernardine Austerman
Mr. Martin D. Bailey
Ms. Betsy Baker
Ms. Gloria H. Baker
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Mr. & Mrs. Alfred Bass
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Dr. Suzanne Paulette Berger
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Mr. Donald Burns
Lucita Burns
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Mr. John Carroll
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Mr. & Mrs. Hubert Dubb
Mrs. Allison Dunham
Miss Shari Dunlap
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Mr. Glenn A. Funk
Mr. Leonard Garb
Drs. Patricia & Zal Garfield
Mr. & Mrs. Joseph Garner
Mr. Gary Gash
Mr. & Mrs. John E. Girton
Mr. & Mrs. I. Goff
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Mr. & Mrs. Borah Hansen
Mr. David H. Harlow
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Mr. John Holden
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Miss Bonnie Homan
Mr. Mike M. Hoogasian
Mr. & Mrs. Robert H. Horn
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Mr. Bruce Humphrey
Mrs. George T. Hunt
Mr. Anthony C. Huntley
Miss June Jantz
Mr. & Mrs. R. W. Joyce
Joan Kania
Mr. Dennis Kaplan
Mr. Gary L. Kaplan
Miss Ann Keller
Mrs. Jo Anne Keller
Miss Barbara L. Kent
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Mr. Steven O. Knight
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Ms. Mary Lou Vasek
Mr. David J. Valdez
Ms. Cathryn Van Dyke
Mrs. Estelle vanRietschoten
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Mr. Mark Walters
Mr. J. Arthur White
Mrs. Mary Williams
Lori A. Witherby
Miss Hilda H. Yao
Mrs. Joane Zins
Miss Rhonda H. Zobel

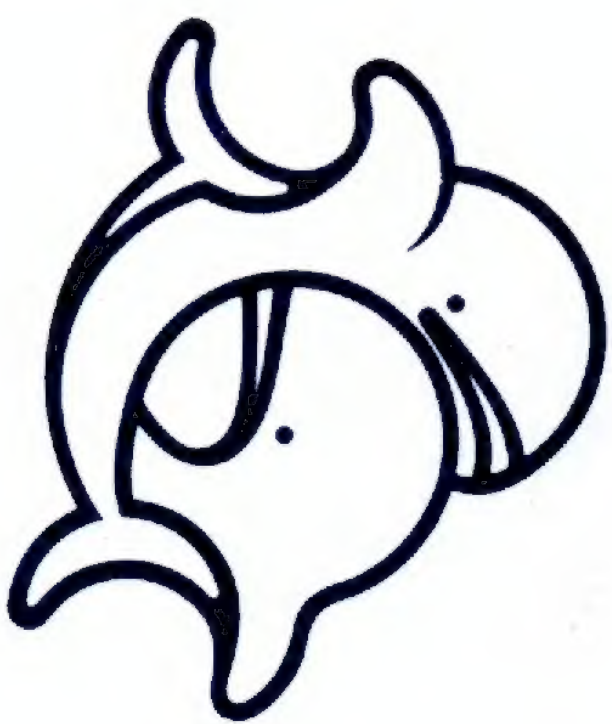
Contributing Members

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Miss Peg Commins
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